

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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1. Reasons for use of decimeter communications. The combined effects of the war and subsequent Soviet demolition left the Deutsche Post telecommunications network in East German in a precarious situation. Restoration and development of these telecommunications for the public service have been greatly handicapped by the following:

- a. Extensive use of existing line plant, i.e. underground cables, and overhead wires by the Occupation Power, Volkspolizei, and other authorities.
- b. Shortage of wire and other materials for the erection of new overhead lines and the almost entire absence of new underground cable supplies, which were exported as reparations.

The only solution left for the development of main trunk communications has, therefore, been the operation of carrier telephony systems over decimeter radio links.

2. Decimeter links set up by the Deutsche Post for the public service.

- A. Oranienburg - Funkstelle Nauen. Berlin/Lichtenberg - Nauen junctions were until about 1951 routed via West Berlin. In accordance with the policy of the East German Posts and Telecommunications Administration of diverting their circuits out of West Berlin, these junctions were transferred to a decimeter radio link between Columbus House, East Berlin, and Funkstelle Nauen. This system was not successful so the following rearrangements were devised and completed in February 1953:

- (1) Berlin Schnellamt (No-delay Exchange), Wilhelmstrasse - Oranienburg exchange via FK 46.
- (2) Oranienburg Exchange - Funkstelle Nauen via decimeter link.

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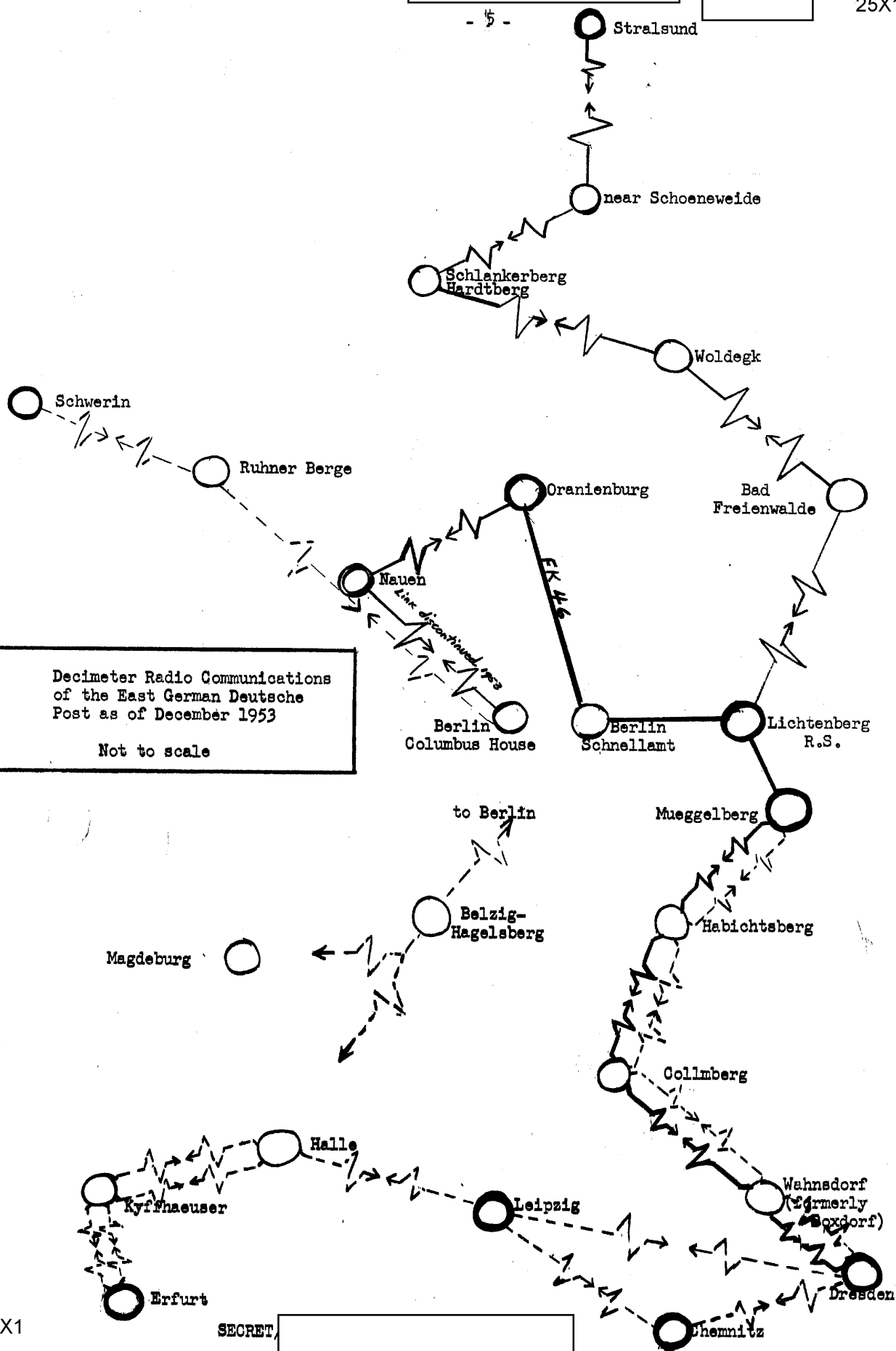
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- (3) Transmission is by carrier system over the whole route Berlin-Nauen. Circuits to places beyond Nauen, e.g. Schwerin, are also worked over this route, most of such circuits being routed from Nauen over an audio frequency channel to Wildpark repeater station.
- (4) The equipment used on the Berlin-Oranienburg - Nauen system consists of the RVG 903 B radio transmitter and receiver and E.V. 16 carrier equipment. For sketch showing layout of RVG 902 E and RVG 903 B equipment, see attachment.
- b. (1) Berlin - Dresden. The radio terminals are at Berlin/Mueggelberg and Dresden, Fernmeldeamt, Postplatz, and the carrier terminals at Berlin/Lichtenberg, Fernamt Dottistrasse, and Dresden, Fernmeldeamt, respectively.
- (2) Intermediate relay stations are located at
Habichtsberg near Stulpe (Kreis Luckenwalde)
Collmburg near Oschatz
Boxdorf near Dresden
- This system was brought into operation in May 1953 and has the designation Tf 70. RVG 903 B and E.V. 16 equipment are used.
- (3) Connection between Lichtenberg and the Mueggelberg radio terminal is via a recently laid unloaded carrier cable containing about 12 pairs.
- c. (1) Berlin - Stralsund. This system is at present being set up and will consist of a fixed station at Berlin/Lichtenberg, Fernamt Dottistrasse, and 5 experimental mobile stations to be located at the places shown in paragraph 4, below.
- (2) The equipment used will be RVG 902 E and ME 8.
- (3) At Stralsund the circuits will be terminated at the Fernmeldeamt. This system is to be used for the public service for the time being and may be taken over later by the Kasernierte Volkspolizei (KVP).
- (4) The mobile equipment is to be housed in a total of 24 Horch G5 type 6-wheel motor vehicles (23 plus one vehicle equipped with testing and measuring equipment only). These vehicles were scheduled for delivery in December 1953 by IFA-Werk, Werdau (Industrievereinigung fuer Fahrzeug- und Anhaengerbau).
- d. Dresden - Chemnitz. The link was planned for 1953, but not carried out because of a lack of funds. It is intended to use RVG 903 B and E.V. 16 equipment. The system will probably be set up in 1954.
- e. The following circuits are:
- | | | |
|--------------------|---|--|
| Chemnitz | - | Leipzig |
| Dresden | - | Leipzig |
| Leipzig | - | Erfurt |
| Halle (Petersberg) | - | Erfurt |
| Berlin | - | Magdeburg (or Halle) |
| Berlin | - | Schwerin (Relay station on Ruhner Berge between Guestrau and Schwerin) |
| Berlin | - | Dresden (Second system, which will carry international trunks) |

All these systems will use RVG 903 B and E.V. 16 equipment.

3. A 24-hour per day service is maintained over the Deutsche Post decimeter network.

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4. Locations of individual stations known to source:

<u>Location</u>	<u>Route</u>	<u>Height above sea level</u>
Berlin-Koepenick, Mueggelberg	All DP & TV links terminating in Berlin	-
Paplitze-Golmberg (Known as Habichtsberg to avoid confusion with Collmberg)	Berlin-Dresden	108.2 m.
Collmberg	Berlin-Dresden (also TV)	318 m.
Boxdorf near Dresden (old station)	Berlin-Dresden (also KVP)	293.5 m.
Wahnsdorf (New station - practically completed)	Berlin-Dresden	250 m.
Chemnitz-Adelsberg	Dresden-Chemnitz (also KVP)	397.6 m.
Halle-Petersberg (Kloster)	Leipzig-Erfurt (also KVP)	-
Kyffhaeuser	Leipzig-Erfurt (also KVP)	457 m.
Erfurt, AM Anger	Leipzig-Erfurt	328.9 m.
Belzig-Hagelsberg	Berlin-Halle	200.5 m.
Bad Freienwalde Platzfelde	Berlin-Stralsund (also KVP)	152.8 m.
Woldegk	Berlin-Stralsund	179.0 m.
Teterow-Malchin Mistorf	Berlin-Stralsund	
I Schlankerberg		125.0 m.
II Hardtberg		122.3 m.
Near Schoenewalde between Grimmen and Abtshagen	Berlin-Stralsund	27.5 m.
Stralsund, Heilanstaelt Galgenberg (Water Tower)	Berlin-Stralsund	-

5. a. [redacted] The Polish Post and Telegraph Administration also intends to set up a similar network radiating from Warsaw, for which purpose a Polish delegation had visited source's department.
- b. Several hundred RVG 903 B and 902 E sets [redacted] had been exported by Sachsenwerk-Radeberg to the USSR and a number also to China.

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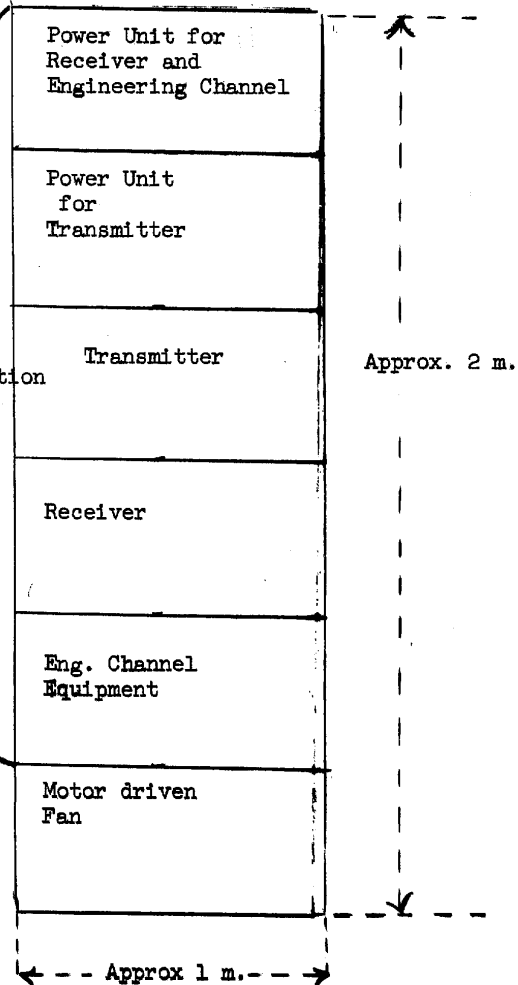
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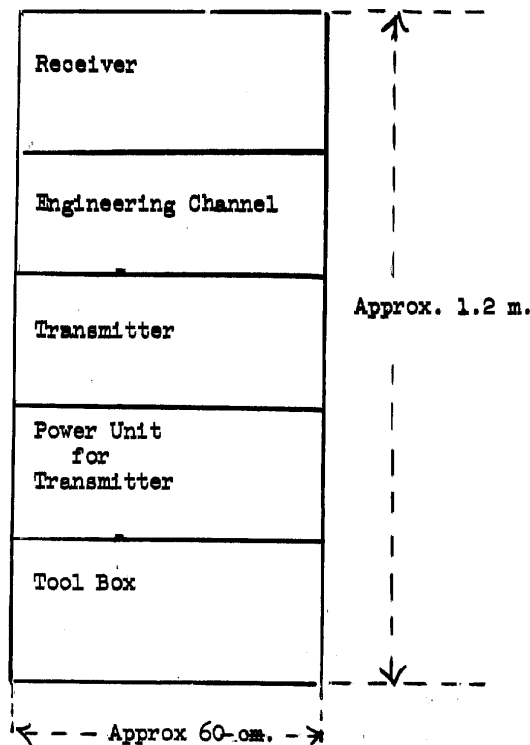
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RVG 903 B

Unit Construction
on "pull-out"
principleEquipment on one
side of the rack
only

RVG 902 E

Equipment on one
side of the rack
only

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